DATA SHEET

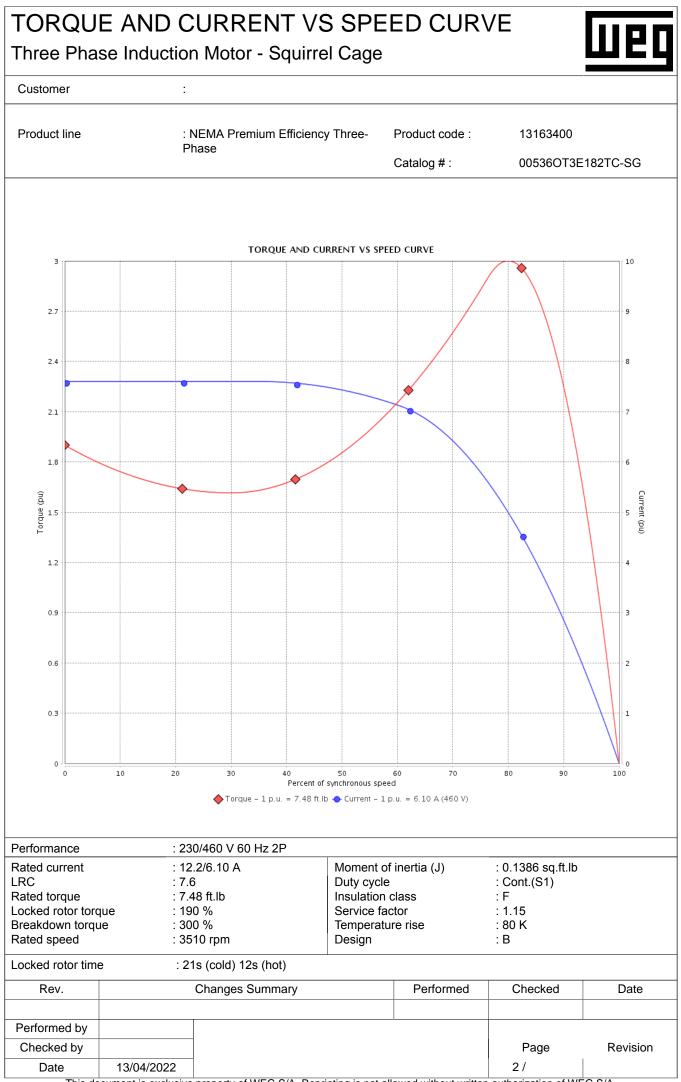
Three Phase Induction Motor - Squirrel Cage

:



Customer

Product line		: NEMA Premium Efficio Phase	ency Th	nree-	ee- Product code : 13163400			
		i nase		Catalog # :		00536OT3E	E182TC-SG	
Frame Insulation class Duty cycle Ambient temperature		: 182/4TC : F : Cont.(S1) : -20°C to +40°C		Cooling method Mounting Rotation ¹ Starting method		: F-1 : Both (CW	: IC01 - ODP : F-1 : Both (CW and CCW) : Direct On Line	
Altitude Design		: 1000 m.a.s.l. : B		Approx. weight³: 58.7 lbMoment of inertia (J): 0.1386 sq.ft.lb		.ft.lb		
Output [HP]		5			5	5		
Poles		2			2		2	
Frequency [Hz]		60			50		50	
Rated voltage [V]		230/460			190/380		20/415	
Rated current [A]		12.2/6.10			14.7/7.37		5.2/7.01	
. R. Amperes [A]		92.7/46.4			85.5/42.7		0.0/45.6	
_RC [A]	1	7.6x(Code J)		5	.8x(Code G)		(Code H)	
No load current [A		5.15/2.58			5.05/2.53		33/2.83	
Rated speed [RPN	/I]	3510			2885		2900	
Slip [%] Patad targua [ft lb]	1	2.50			3.83		3.33	
Rated torque [ft.lb] _ocked rotor torqu		7.48			9.10 150		9.05	
Locked rotor torqu Breakdown torque		300			220		170 250	
Service factor	[/0]	1.15			1.00		1.00	
Temperature rise		80 K			105 K		1.00 80 K	
_ocked rotor time		21s (cold) 12s (hot	<u> </u>	0.0	(cold) 0s (hot)		ld) 0s (hot)	
Voise level ²		65.0 dB(A)	,		63.0 dB(A)		0 dB(A)	
	25%	85.2			88.3		87.1	
	50%	85.5			86.5		86.0	
Efficiency (%)	75%	86.5			86.0		86.2	
	100%	86.5			83.8		84.7	
	25%	0.45			0.51		0.47	
	50%	0.43			0.79		0.75	
Power Factor	75%	0.83			0.88		0.85	
	100%	0.88			0.91		0.90	
Bearing type Sealing Lubrication interv		Drive end Non driv 6206 ZZ 6205 Without With Bearing Seal Bearin -	5 ZZ	Foundati Max. trac Max. con		: 115 lb : 174 lb		
Lubricant amoun	t	:	-					
Lubricant type		: Mobil Polyrex EN	N					
Notes USABLE @208V	13.5A SF 1.	00 SFA 13.5A	r					
must be eliminate (1) Looking the m (2) Measured at 1	d. otor from the m and with t veight subjec ocess.	icel the previous one, whi shaft end. olerance of +3dB(A). t to changes after			e average values pply, subject to th			
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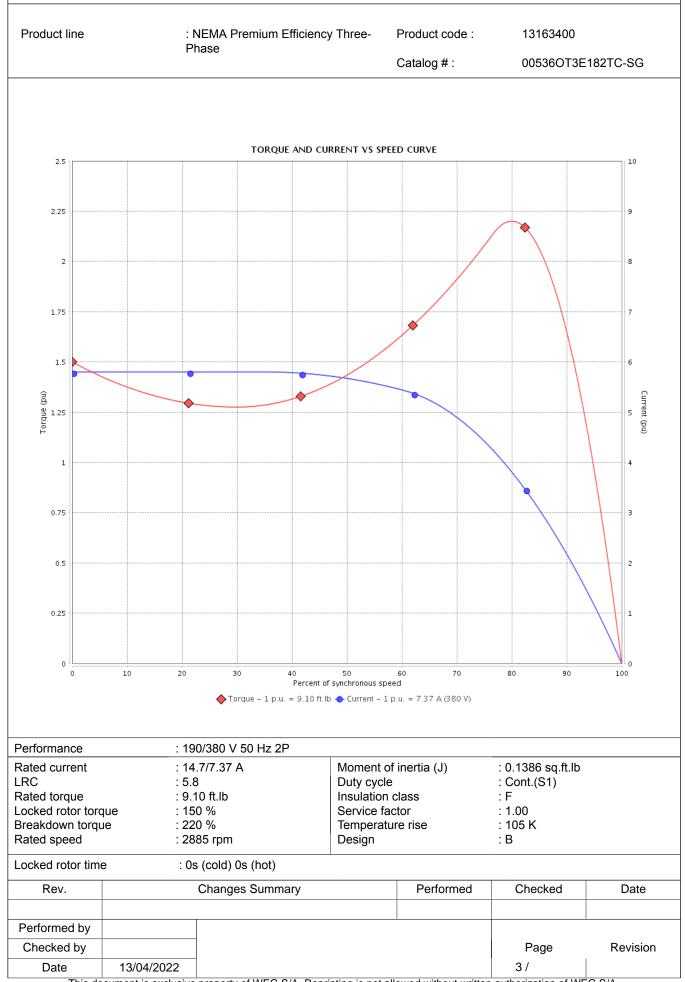
TORQUE AND CURRENT VS SPEED CURVE

Three Phase Induction Motor - Squirrel Cage

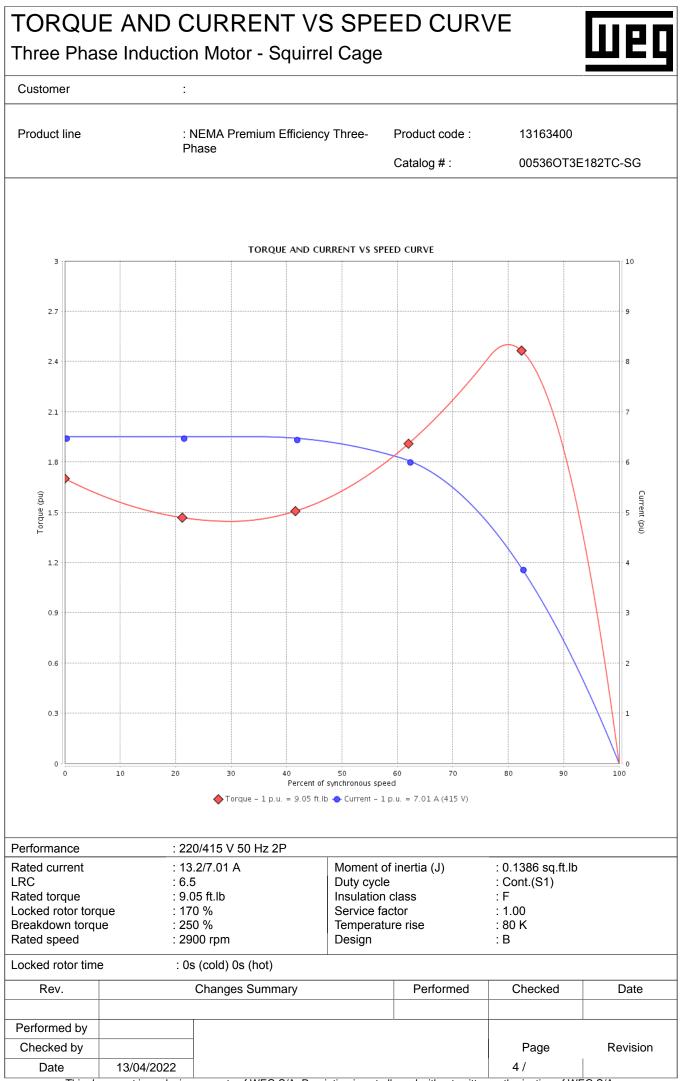
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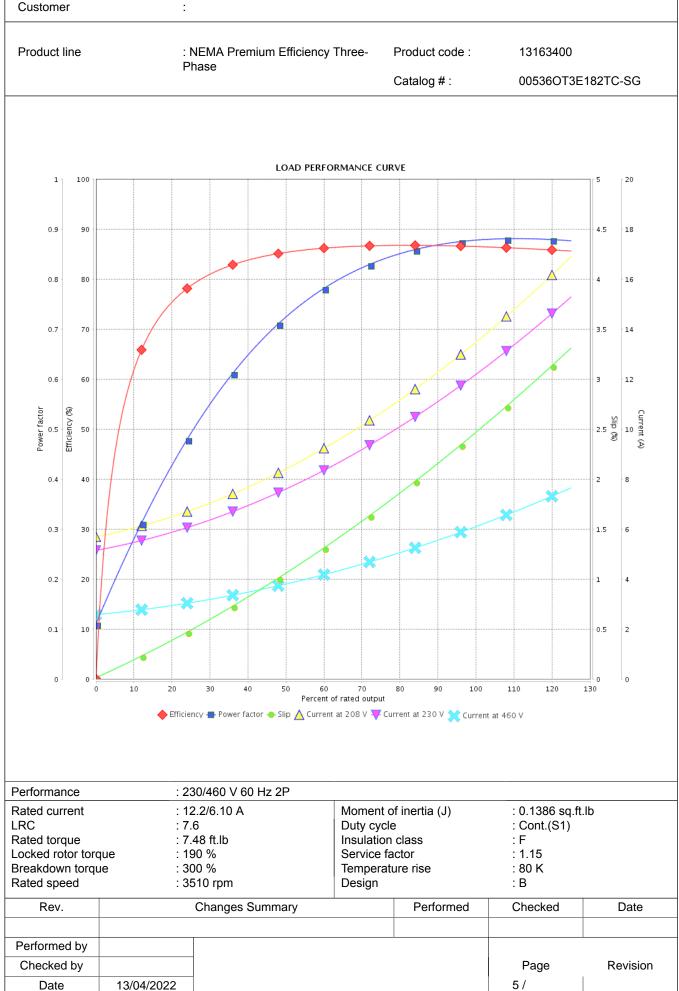


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LOAD PERFORMANCE CURVE

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Customer



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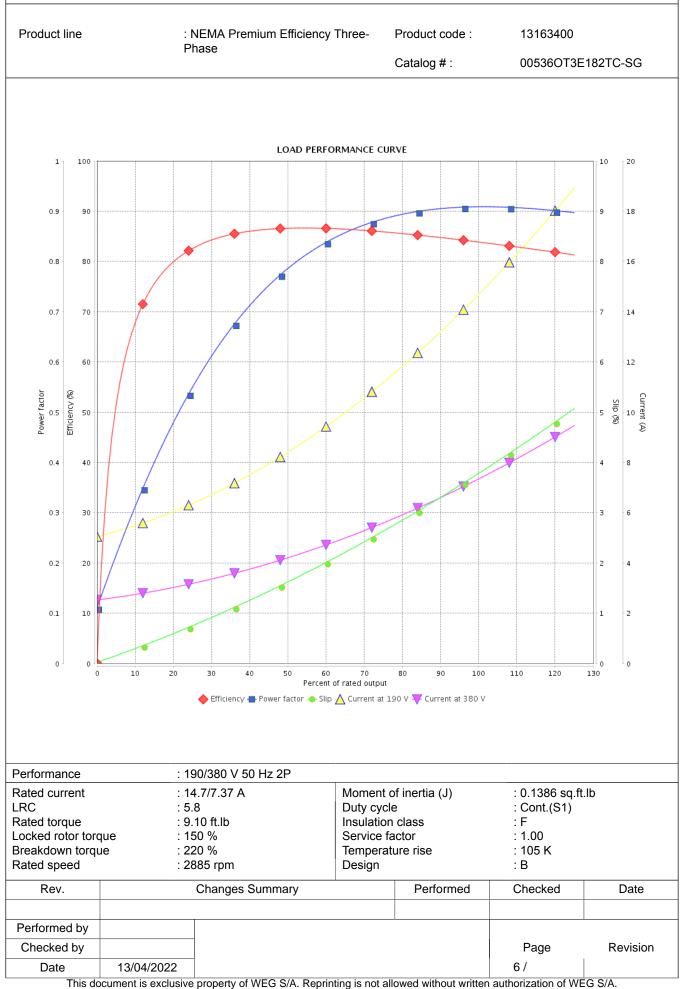
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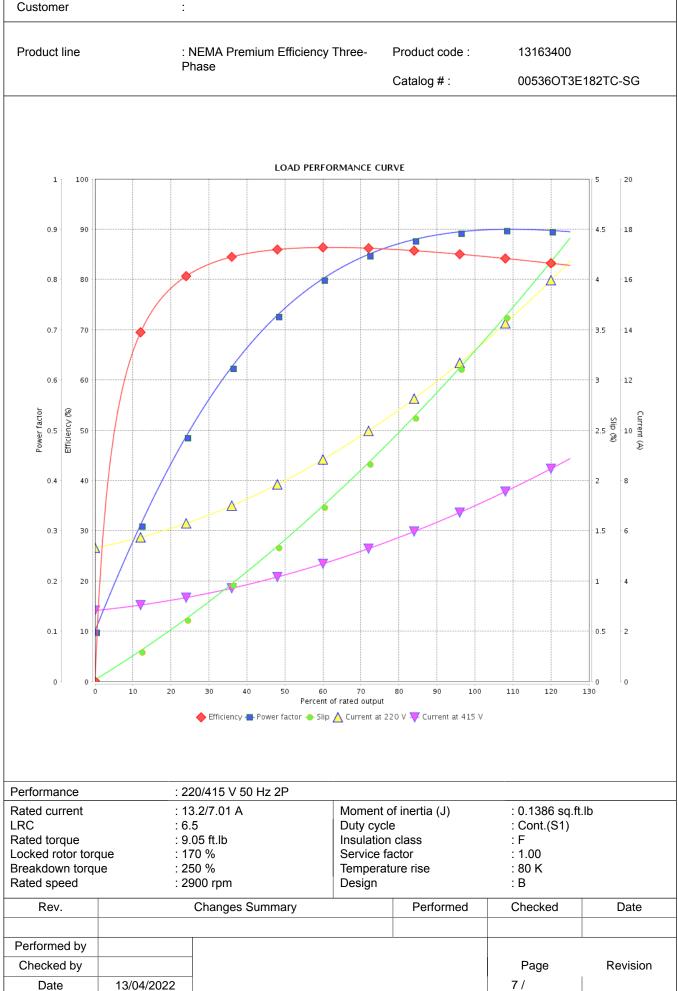
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LOAD PERFORMANCE CURVE

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Customer

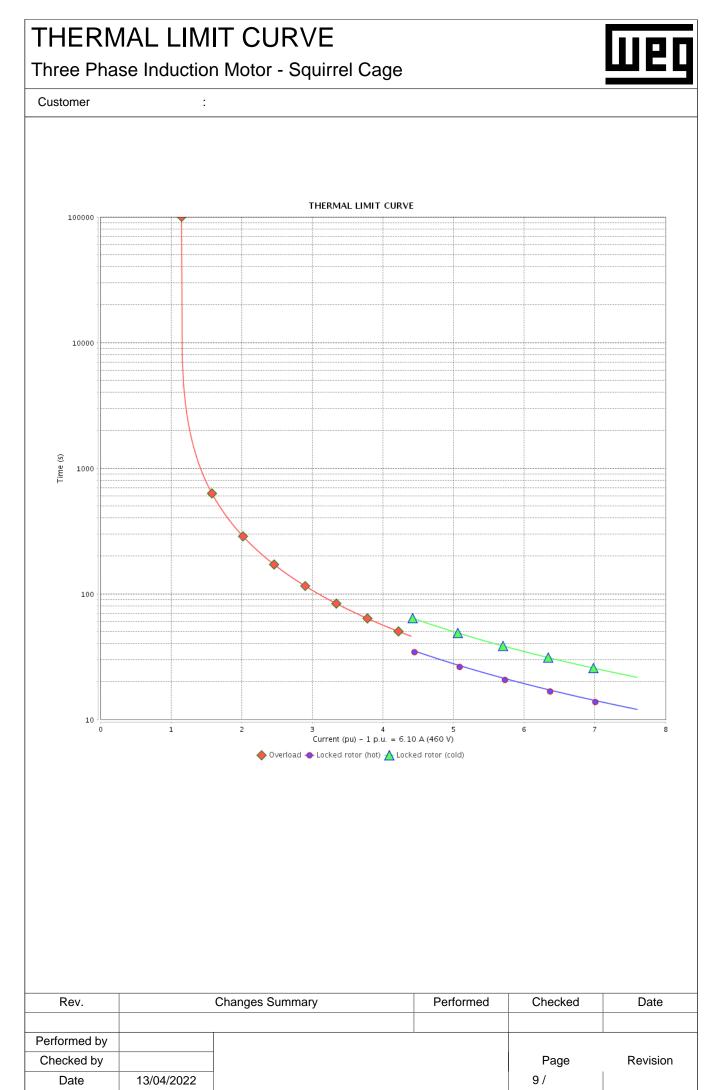


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Three Phase Induc	tion Motor - Squirrel	Cage		шец			
Customer	:						
Product line	: NEMA Premium Efficiency Phase		roduct code : atalog # :	13163400 00536OT3E182TC-SG			
Performance Rated current LRC Rated torque Locked rotor torque Breakdown torque Rated speed	: 230/460 V 60 Hz 2P : 12.2/6.10 A : 7.6 : 7.48 ft.lb : 190 % : 300 % : 3510 rpm	Moment of i Duty cycle Insulation cl Service fact Temperature Design	ass or	: 0.1386 sq.ft.lb : Cont.(S1) : F : 1.15 : 80 K : B			
Heating constant Cooling constant							

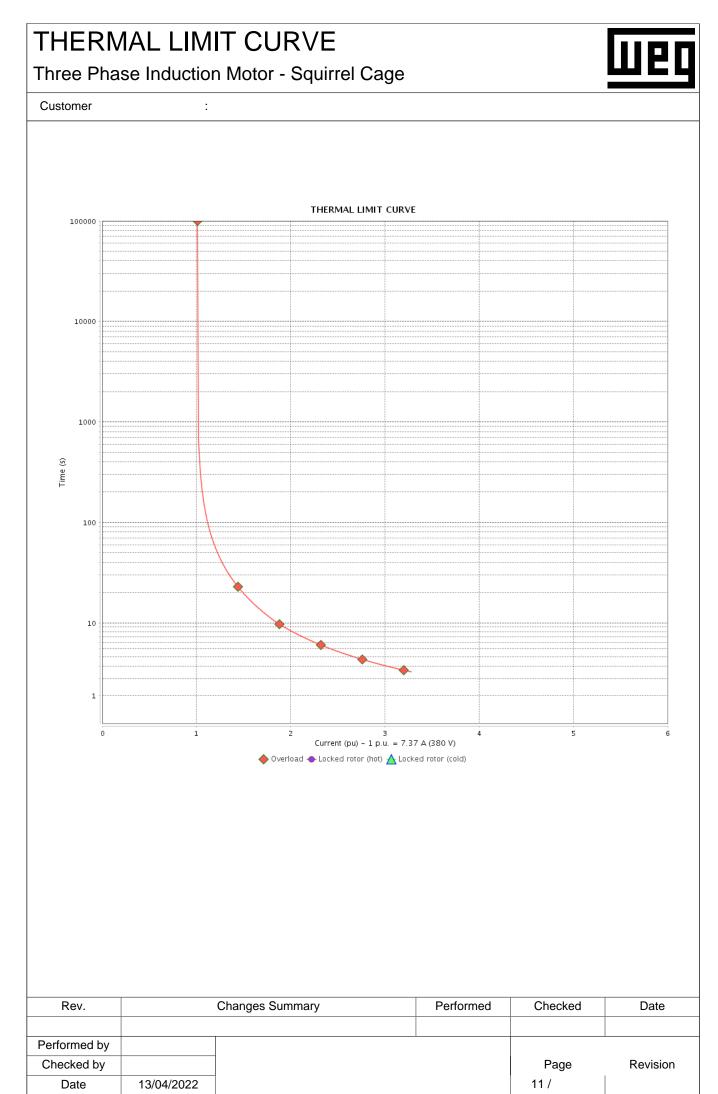
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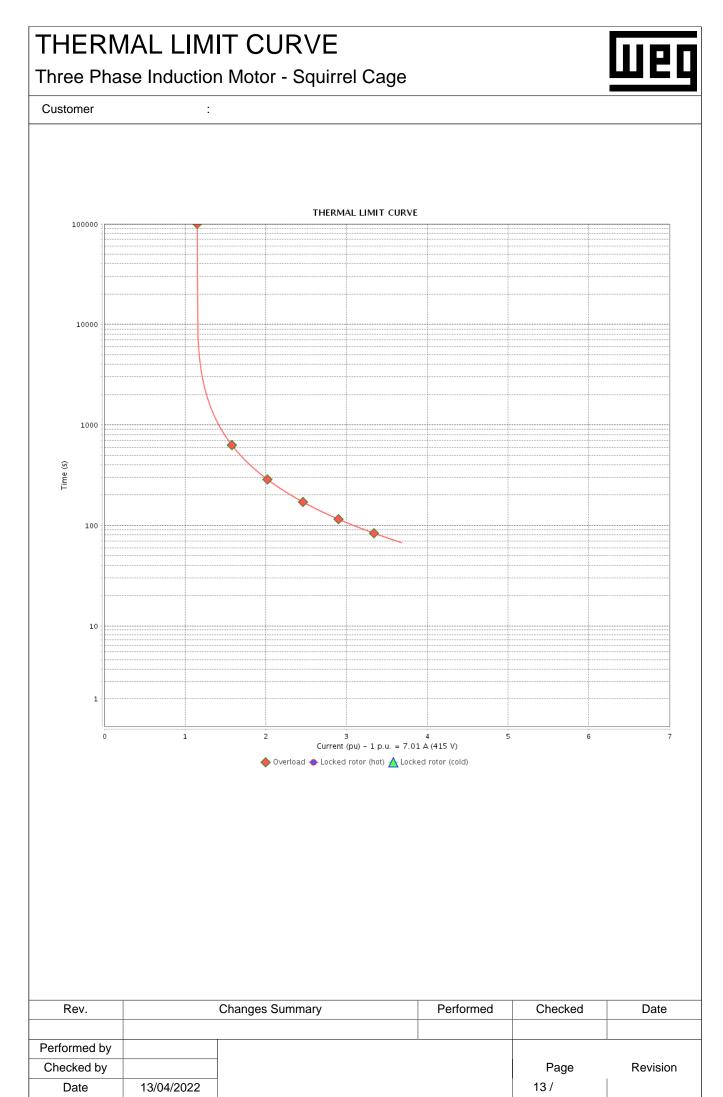
THERMAL LIMIT CURVE Three Phase Induction Motor - Squirrel Cage							
Customer	:						
Product line	: NEMA Premium Efficiency ⁻ Phase	Three- Product code : Catalog # :	13163400 00536OT3E182TC-SG				
Performance	: 190/380 V 50 Hz 2P	• • • • • • • •					
Rated current LRC Rated torque Locked rotor torque Breakdown torque	: 14.7/7.37 A : 5.8 : 9.10 ft.lb : 150 % : 220 %	Moment of inertia (J) Duty cycle Insulation class Service factor Temperature rise	: 0.1386 sq.ft.lb : Cont.(S1) : F : 1.00 : 105 K				
Rated speed	: 2885 rpm	Design	: B				

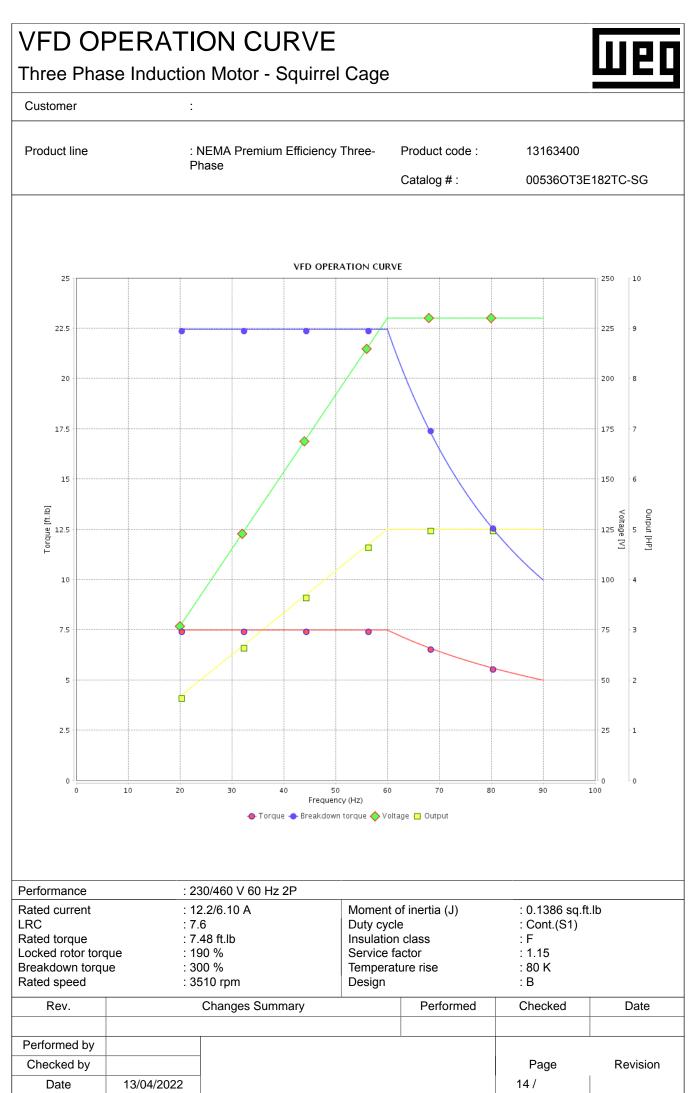
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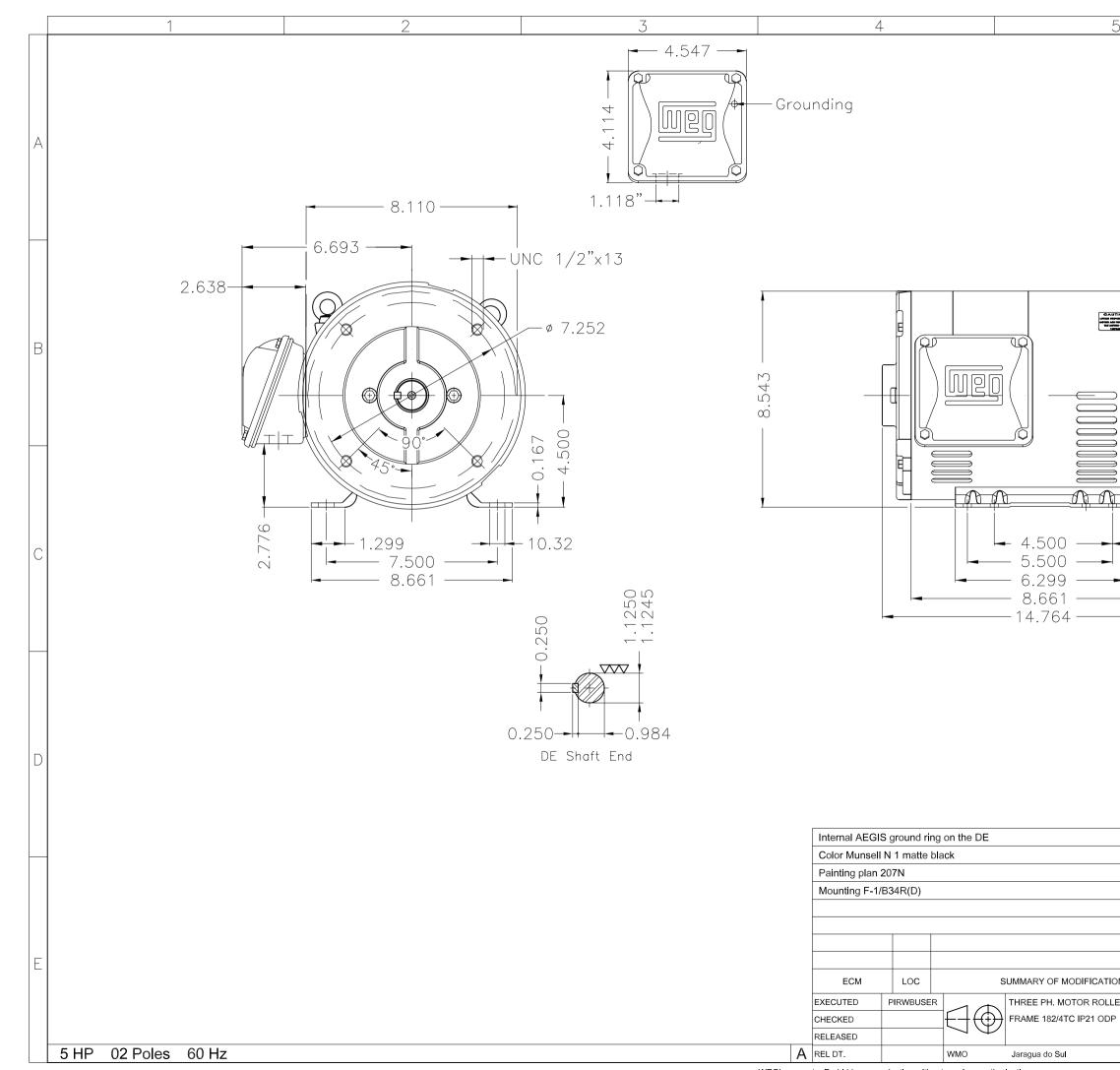
THERMAL LII Three Phase Induct		Cage			шео
Product line	: NEMA Premium Efficiency ⁻ Phase		Product code : Catalog # :	13163400 00536OT3E	182TC-SG
Performance	: 220/415 V 50 Hz 2P				
Rated current LRC Rated torque Locked rotor torque Breakdown torque	: 13.2/7.01 A : 6.5 : 9.05 ft.lb : 170 % : 250 % : 2900 rpm	Moment of Duty cycle Insulation Service fa Temperat Design	class actor	: 0.1386 sq.ft : Cont.(S1) : F : 1.00 : 80 K : B	.lb
Heating constant Cooling constant			1	1	1
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					Dimensions in inches
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Product Engir	eering	SHEET	1 / 1		XME